

Inside the engine

Mobil Delvac 1™

Performance by ExxonMobil

After running Mobil Delvac 1™ ESP 5W-40 fully synthetic diesel engine oil for almost a decade, a Cummins KTA38 marine diesel main engine demonstrated remarkable cleanliness, despite more than 21,000 running hours. See what ExxonMobil experts discovered when they disassembled the engine.



Cylinder liners:
Demonstrated **minimal wear**



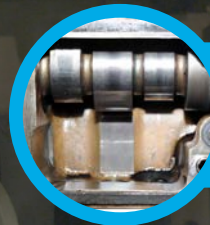
Valve covers and rocker arms:
Exceptional cleanliness in valve covers and rocker arm assemblies



Pistons:
No evidence of stuck rings or clogging of the oil ring; all rings had **normal face wear**



Oil gear pump:
Minimal to **no wear** present on gears



Camshaft in block:
Showed **minimal wear** on cam



Sump:
Very little to **no sludge buildup** present in the engine oil pan

Oil drain intervals were extended to **3,000 hours** — over **10 times longer*** than the engine builder's recommendation.

*These results were achieved while maintaining OEM recommended filter change intervals.

Based on the experience of a single customer. Actual results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used.

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